



Sexual Medicine

Congenital Penile Curvature: Dermal Grafting Procedure to Prevent Penile Shortening in Adults

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Abstract

Objectives: We report the results of a derma graft corporoplasty in a selected group of patients with congenital penile curvature (CPC) who refused a simple plication technique for the risk of penile shortening, even if minimal.

Methods: Between January 1995 and January 2004, 15 potent patients with CPC underwent corporoplasty with inguinal derma graft, with or without tunica albuginea plication. Mean age was 26.6 years (range 19–36). Six patients had a simple lateral left curvature, three had a simple lateral right curvature, four had a ventro-lateral left curvature, one patient had a ventro-lateral right curvature, and one patient had ventral curvature. In nine patients the preoperative mean IIEF-5 score was 22.55 (range 21–24). All the patients were evaluated after three, six and 12 months.

Results: One graft was placed in one patient (6.6%), seven (46.6%) received one graft and underwent a tunica albuginea plication, four (26.6%) received two grafts, three (20%) received two grafts and underwent tunica albuginea plication. A residual curvature after three, six and 12 months was present respectively in all (100%), seven (46.6%) and one (6.6%) patients. No patients had a decrease of penile length. The mean difference in the IIEF-5 score before and after the surgical procedure was not statistically significant.

Conclusions: Surgical correction of CPC with derma grafts in potent patients restores penile straightening with no postoperative shortening and preserves normal erectile capacity. Patient satisfaction indicates that the proposed technique may be used in selected cases.

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